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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/713,092	11/17/2003	Kia Silverbrook	ZG003US	1243

24011 7590 09/21/2004

SILVERBROOK RESEARCH PTY LTD
393 DARLING STREET
BALMAIN, 2041
AUSTRALIA

EXAMINER

DO, AN H

ART UNIT	PAPER NUMBER
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2853

DATE MAILED: 09/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No. 10/713,092	Applicant(s) SILVERBROOK, KIA	
	Examiner An H. Do	Art Unit 2853	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 November 2003.
 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) ☐ Claim(s) _____ is/are allowed.
 6) ☒ Claim(s) 1,3-5 and 7 is/are rejected.
 7) ☒ Claim(s) 2 and 6 is/are objected to.
 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
 10) ☒ The drawing(s) filed on 17 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☒ All b) ☐ Some * c) ☐ None of:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☒ Certified copies of the priority documents have been received in Application No. 10/120,350.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>11/17/2003</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 10/120,350, filed on 12 April 2002.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 17 November 2003 was filed and is being considered by the examiner.

Specification

3. The disclosure is objected to because of the following informalities: incomplete phase in specification on page 1 line 1 after "April 12, 2002" should include: ", now U.S. Patent No. 6,652,052."

Appropriate correction is required.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1 and 3-5 are rejected under 35 U.S.C. 102(e) as being anticipated by Hermanson (US 5,581,284).

Hermanson discloses in Figures 1-7 the following claimed limitations:

Regarding claim 1, an inkjet printer (Figure 1, 12) for high-volume pagewidth printing comprises:

- a support structure (Figure 1, frame members 42 and upper and lower covers 43, 45);

- a platen assembly (Figure 1, paper guide 40) positioned in the support structure (frame members 42 and upper and lower covers 43, 45), the platen assembly (Figure 1, paper guide 40) defining a pagewidth printing zone (space between the frame members 42);

- a print assembly (Figure 2, array printbars 14-17) positioned operatively with respect to the platen assembly (Figure 1, paper guide 40), the print assembly comprising:

- a chassis (supporting substrate 20) that is mounted on the support structure (column 4, lines 23-30) to span the printing zone;

- a plurality of printhead modules (array printbars 14-17) positioned on the chassis (supporting substrate 20), each printhead module (printheads 14-17) having a carrier, a printhead chip (subunits 22) mounted on the carrier and a flexible printed circuit board (ribbon cable 27) connected to the chip to provide the chip with control signals, the printhead modules (array printbars 14-17) being positioned so that the printhead chips overlie the printing zone (column 2, lines 59 to column 3, lines 1-6); and

-a plurality of printed circuit boards (26) mounted on the chassis (supporting substrate 20), each printed circuit board (26) having control circuitry that is connected to a predetermined number of printhead chips (subunits 22); and

-a feed mechanism (paper guides 40, column 3, lines 55-56) for feeding print media (18) through the printing zone, over the platen assembly.

Regarding claim 3, which includes an ink distribution arrangement (Figure 2, manifolds 30) mounted on the chassis (supporting substrate 20) to supply the printhead chips (subunits 22) with ink, and an ink reservoir assembly (subunit reservoirs 29) also mounted on the chassis (supporting substrate 20) and in fluid communication with the ink distribution arrangement (manifolds 30) to supply the ink distribution arrangement with ink (column 3, lines 23-27).

Regarding claim 4, in which the ink reservoir assembly includes an ink reservoir structure (subunit reservoirs 29) that defines a plurality of elongate channels (Figure 2) that extend across the printing zone (space between the frame members 42), differently colored inks (Figures 3-6) being received in respective channels, each channel being connectable to a respective ink cartridge with a suitable ink conduit (column 3, lines 30-32).

Regarding claim 5, in which each printhead module (each subunit 22) is detachably mounted on the chassis (supporting substrate 20) to facilitate replacement of the printhead module (column 2, lines 59 to column 3, lines 1-4).

Regarding claim 7, which includes a plurality of capping devices (Figure 7 shows only one removable cap 74 for printbar 17, column 5, lines 43-45), associated with respective printhead modules (array printbars 14-17), the capping device (removable cap 74) being mounted on the chassis (Figure 7) and being displaceable (removable) between an operative position in which the capping device (removable cap 74) serves to cap the printhead chip (subunits 22) of its associated module (array printbars 14-17) and an inoperative position in which the capping device (removable cap 74) is displaced from the printhead chip (column 3, lines 52-65).

Allowable Subject Matter

6. Claims 2 and 6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

The primary reason for the allowance of claims 2 and 6 is the inclusion of the limitation of a an inkjet printer that includes a support structure including a pair of spaced feet and a leg extending from each foot, the print assembly being mounted on the legs to span the legs. It is this limitation found in the claims, as it is claimed in the combination of, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Fabbri (US 6,068,367) discloses in Figures 1-3 a modular

printhead (1) having a support frame (3) and a plurality of printhead modules (5), the frame (3) having a plurality of mounting sites for mounting respective printhead modules (5) to the frame (3). Thiel et al (US 5,646,658) disclose an ink jet head is composed of ink printer modules each having three spacers at their periphery in order to maintain a constant spacing between the modules.

Contact Information

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to An H. Do whose telephone number is 571-272-2143. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen D. Meier can be reached on 571-272-2149. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



AD
September 14, 2004

K. Figgins 9/10/04
K. Figgins
Primary Exa.